

Household Vacuum Cleaner Manufacturing: 2002

Issued August 2004

EC02-311-335212

2002 Economic Census

Manufacturing

Industry Series



U S C E N S U S B U R E A U

Helping You Make Informed Decisions

U.S. Department of Commerce
Economics and Statistics Administration
U.S. CENSUS BUREAU



CONTENTS

Introduction to the Economic Census	v
Manufacturing	ix

Tables

1. Historical Statistics for the Industry: 2002 and Earlier Years ...	1
2. Industry Statistics for Selected States: 2002	2
3. Detailed Statistics by Industry: 2002	3
4. Industry Statistics by Employment Size: 2002.....	4
5. Industry Statistics by Primary Product Class Specialization: 2002	5
6a. Products Statistics: 2002 and 1997	6
6b. Product Class Shipments for Selected States: 2002 and 1997 .	7
7. Materials Consumed by Kind: 2002 and 1997.....	8

Appendixes

A. Explanation of Terms	A-1
B. NAICS Codes, Titles, and Descriptions	B-1
C. Methodology	C-1
D. Geographic Notes	--
E. Metropolitan and Micropolitan Statistical Areas	--
F. Comparability of Product Classes and Product Codes: 2002 to 1997	F-1

-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
335212, Household vacuum cleaner manufacturing	2002..	30	37	10 219	350 641	7 739	13 907	211 792	1 463 774	1 478 066	2 904 559	90 194
2001..	N	N	N	10 632	369 326	7 903	15 304	219 197	1 242 197	1 416 390	2 672 208	93 711
2000..	N	N	N	11 549	391 783	8 587	16 466	250 890	1 411 504	1 612 750	3 029 353	113 717
1999..	N	N	N	10 164	343 504	7 337	13 324	199 599	1 288 133	1 192 539	2 443 560	71 824
1998..	N	N	N	10 939	370 685	7 758	14 860	209 663	1 238 460	1 521 929	2 730 544	82 299
1997..	25	33		10 447	336 652	7 163	13 389	183 745	1 202 682	1 165 783	2 374 554	85 440

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. Industry Statistics for Selected States: 2002

[States that are a disclosure or with less than 100 employees are not shown. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographical definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

Industry and geographic area	E ¹	All establishments ²		All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
		Total	With 20 employees or more	Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
335212, Household vacuum cleaner manufacturing												
United States	—	37	18	10 219	350 641	7 739	13 907	211 792	1 463 774	1 478 066	2 904 559	90 194
Ohio	—	6	5	3 587	150 041	2 520	4 765	91 825	636 949	246 683	879 134	20 595
Texas	—	4	4	1 849	48 542	1 644	3 661	38 083	336 881	460 440	792 132	29 728

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
335212, Household vacuum cleaner manufacturing	
Companies ¹	number.. 30
All establishments ²	number.. 37
Establishments with 1 to 19 employees	number.. 19
Establishments with 20 to 99 employees	number.. 4
Establishments with 100 employees or more	number.. 14
All employees ³	number.. 10 219
Total compensation	\$1,000.. 496 386
Annual payroll	\$1,000.. 350 641
Total fringe benefits	\$1,000.. 145 745
Production workers, average for year	number.. 7 739
Production workers on March 12	number.. 7 913
Production workers on May 12	number.. 7 826
Production workers on August 12	number.. 7 727
Production workers on November 12	number.. 7 485
Production worker hours	1,000.. 13 907
Production worker wages	\$1,000.. 211 792
Total cost of materials	\$1,000.. 1 478 066
Materials, parts, containers, packaging, etc., used	\$1,000.. 1 058 734
Resales	\$1,000.. 400 653
Purchased fuels	\$1,000.. 2 642
Purchased electricity	\$1,000.. 12 347
Contract work	\$1,000.. 3 690
Quantity of electricity purchased for heat and power	1,000 kWh.. 270 631
Quantity of electricity generated less sold for heat and power	1,000 kWh.. -
Total value of shipments	\$1,000.. 2 904 559
Primary products value of shipments	\$1,000.. 2 236 972
Secondary products value of shipments	\$1,000.. 80 572
Total miscellaneous receipts	\$1,000.. 587 015
Value of resales	\$1,000.. 586 958
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 97
Value of primary products shipments made in all industries	\$1,000.. 2 266 776
Value of primary products shipments made in this industry	\$1,000.. 2 236 972
Value of primary products shipments made in other industries	\$1,000.. 29 804
Coverage ratio	percent.. 99
Value added	\$1,000.. 1 463 774
Total inventories, beginning of year	\$1,000.. 267 091
Finished goods inventories	\$1,000.. 170 316
Work-in-process inventories	\$1,000.. 54 731
Materials and supplies inventories	\$1,000.. 42 044
Total inventories, end of year	\$1,000.. 301 616
Finished goods inventories	\$1,000.. 193 828
Work-in-process inventories	\$1,000.. 68 500
Materials and supplies inventories	\$1,000.. 39 288
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 1 031 995
Total capital expenditures (new and used)	\$1,000.. 90 194
Buildings and other structures (new and used)	\$1,000.. 10 713
Machinery and equipment (new and used)	\$1,000.. 79 481
Automobiles, trucks, etc., for highway use	\$1,000.. 651
Computers and peripheral data processing equipment	\$1,000.. 5 542
All other expenditures for machinery and equipment	\$1,000.. 73 288
Total retirements	\$1,000.. 35 233
Gross value of depreciable assets at end of year	\$1,000.. 1 086 956
Depreciation charges during year	\$1,000.. 79 405
Total rental payments	\$1,000.. 15 401
Buildings and other structures	\$1,000.. 10 293
Machinery and equipment	\$1,000.. 5 108
Total other expenses ⁴	\$1,000.. 149 626
Response coverage ratio ⁵	percent.. 92
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 10 948
Communications services ⁴	\$1,000.. 2 881
Legal services ⁴	\$1,000.. 3 387
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. 3 091
Advertising and promotional services ⁴	\$1,000.. 65 641
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 2 883
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 468
Management consulting and administrative services ⁴	\$1,000.. 4 160
Taxes and license fees ⁴	\$1,000.. 8 438
All other expenses ⁴	\$1,000.. 44 729

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
335212, Household vacuum cleaner manufacturing											
All establishments	—	37	10 219	350 641	7 739	13 907	211 792	1 463 774	1 478 066	2 904 559	90 194
Establishments with—											
1 to 4 employees	9	10	18	547	12	19	316	872	1 126	1 979	74
5 to 9 employees	9	4	21	783	16	28	502	1 526	2 508	4 034	146
10 to 19 employees	1	5	72	2 434	40	62	936	6 763	9 018	15 739	1 103
20 to 49 employees	—	2	b	D	D	D	D	D	D	D	D
50 to 99 employees	6	2	c	D	D	D	D	D	D	D	D
100 to 249 employees	4	3	e	D	D	D	D	D	D	D	D
250 to 499 employees	—	4	1 466	47 871	1 038	1 948	27 308	144 463	181 748	326 671	D
500 to 999 employees	—	5	3 981	122 905	3 192	5 951	72 570	622 281	909 335	1 504 091	55 432
1,000 to 2,499 employees	—	1	g	D	D	D	D	D	D	D	D
2,500 employees or more	—	1	h	D	D	D	D	D	D	D	D
Administrative records ⁴	9	14	49	1 768	36	64	1 099	3 251	5 037	8 269	302

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
335212	Household vacuum cleaner manufacturing	37	10 219	350 641	7 739	13 907	211 792	1 463 774	1 478 066	2 904 559	90 194
3352121	Household vacuum cleaners, upright-stick type, including parts ..	22	i	D	D	D	D	D	D	D	D
3352122	Floor waxing and floor polishing machines and parts	2	f	D	D	D	D	D	D	D	D

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
335212	Household vacuum cleaner manufacturing	2002.. N	X	X	2 266 776
	1997.. N	N	X	X	2 313 782
3352121	Household vacuum cleaners, upright-stick type, including parts	2002.. N	X	X	D
	1997.. N	N	X	X	D
33521211	Household vacuum cleaners, upright-stick type, including parts	2002.. N	X	X	D
	1997.. N	N	X	X	D
3352121101	Household vacuum cleaners, complete power units, central system type	2002.. 7	X	D	D
	1997.. 9	N	X	X	174 927
3352121103	Household vacuum cleaners, hand type	2002.. 2	X	X	D
	1997.. 5	N	X	X	95 602
3352121105	Household vacuum cleaners, upright-stick type	2002.. 8	X	X	1 246 910
	1997.. 6	N	X	X	1 030 321
3352121107	Other household vacuum cleaners, general purpose types, including utility and canister tank types	2002.. 5	X	X	193 943
	1997.. 10	N	X	X	574 188
3352121111	Attachments and cleaning tools for household vacuum cleaners, including central system attachments	2002.. 10	X	X	75 582
	1997.. 8	N	X	X	111 251
3352121113	Parts for household type vacuum cleaners, including central system parts	2002.. 7	X	X	123 927
	1997.. 11	N	X	X	D
3352121Y	Household vacuum cleaners, upright-stick type, including parts, nsk	2002.. N	X	X	16 699
	1997.. N	N	X	X	—
3352121YWV	Household vacuum cleaners, upright-stick type, including parts, nsk	2002.. N	X	X	16 699
	1997.. N	N	X	X	—
3352122	Floor waxing and floor polishing machines and parts	2002.. N	X	X	D
	1997.. N	N	X	X	D
33521222	Floor waxing and floor polishing machines and parts	2002.. N	X	X	D
	1997.. N	N	X	X	D
3352122211	Parts for floor waxing and floor polishing machines ¹	2002.. 4	X	X	D
	1997.. N	N	X	X	—
3352122219	Floor waxing and floor polishing machines ¹	2002.. 5	X	X	D
	1997.. 3	N	X	X	D
3352122Y	Floor waxing and floor polishing machines and parts, nsk	2002.. N	X	X	—
	1997.. N	N	X	X	—
3352122YWV	Floor waxing and floor polishing machines and parts, nsk	2002.. N	X	X	—
	1997.. N	N	X	X	—
335212W	Household vacuum cleaner manufacturing, nsk, total	2002.. N	X	X	8 952
	1997.. N	N	X	X	D
335212WY	Household vacuum cleaner manufacturing, nsk, total	2002.. N	X	X	8 952
	1997.. N	N	X	X	1 470
335212WYWW	Household vacuum cleaner manufacturing, nsk, for nonadministrative-record establishments	2002.. N	X	X	4 788
	1997.. N	N	X	X	1 470
335212WYWY	Household vacuum cleaner manufacturing, nsk, for administrative-record establishments	2002.. N	X	X	4 164
	1997.. N	N	X	X	—

¹For additional detail, see Current Industrial Report MA335F, Major Household Appliances.

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p—10 to 19 percent estimated; q—20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. Product Class Shipments for Selected States: 2002 and 1997

[Product classes covered are those that are economically significant and whose production is geographically dispersed, provided dispersion is not approximated by data in Table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some states are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 2002. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, explanation of terms, and geographic definitions, see note at end of table. For information on geographic areas followed by *, see Appendix D. For meaning of abbreviations and symbols, see introductory text]

NAICS product class code	Product class and geographic area	Value of product shipments (\$1,000)
3352121	Household vacuum cleaners, upright-stick type, including parts	
	United States..... 2002..	D
	..... 1997..	D
	Ohio 2002..	546 777
	..... 1997..	578 337
	Texas 2002..	657 969
	..... 1997..	433 156
3352122	Floor waxing and floor polishing machines and parts	
	United States..... 2002..	D
	..... 1997..	D

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C. For geographical definitions, see Appendix D.

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
335212	Household vacuum cleaner manufacturing		
00900001	Total materials .....2002..	X	1 058 734
	.....1997..	X	1 036 493
332000AC	Metal stampings .....2002..	X	14 548
	.....1997..	X	16 807
33290011	Metal wire racks, grills, springs, and other fabricated nonelectric wire products (excluding forgings) .....2002..	X	D
	.....1997..	X	1 535
33272203	Metal bolts, nuts, screws, washers, rivets, and other screw machine products .....2002..	X	15 708
	.....1997..	X	15 284
33200025	All other fabricated metal products (excluding forgings, castings, wire racks, grills, springs, other fabricated nonelectric wire products, bolts, nuts, screws, rivets, and screw machine products) .....2002..	X	5 552
	.....1997..	X	11 501
33210000	Forgings .....2002..	X	D
	.....1997..	N	N
33151001	Iron and steel castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	D
33152005	Aluminum and aluminum-base alloy castings (rough and semifinished) .....2002..	X	D
	.....1997..	X	D
33152003	Other nonferrous metalcastings, rough and semifinished (excluding aluminum and aluminum-base alloy) .....2002..	X	D
	.....1997..	X	2 340
33120007	Steel bars, bar shapes, and plate (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	D
33120016	Steel sheet and strip (including tinplate) .....2002..	X	D
	.....1997..	N	N
33120033	All other steel shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	X	19 515
33100038	Aluminum and aluminum-base alloy shapes and forms (excluding castings, forgings, and fabricated metal products) .....2002..	X	D
	.....1997..	N	N
33100087	Nonferrous wire and cable (including magnet wire, bare or insulated wire, etc.) .....2002..	X	D
	.....1997..	X	D
33531219	Fractional horsepower electric motors and generators (less than 1 hp), including timing motors .....2002..	X	77 955
	.....1997..	X	53 340
33531221	Integral horsepower electric motors and generators (1 hp or more) .....2002..	X	77 517
	.....1997..	X	54 009
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	50 174
	.....1997..	X	58 223
001900B1	Electrical transmission, distribution, and control equipment .....2002..	X	5 142
	.....1997..	X	5 025
33593101	Current-carrying wiring devices .....2002..	X	D
	.....1997..	X	20 570
33451200	Automatic temperature controls (thermostats, regulators, etc.) .....2002..	X	D
	.....1997..	X	D
32551002	Paints, varnishes, stains, lacquers, shellacs, japans, enamels, and allied product .....2002..	X	D
	.....1997..	N	N
32600017	Fabricated rubber products (excluding tires, tubes, hose, belting, and gaskets) .....2002..	X	D
	.....1997..	X	D
32622001	Rubber and plastics hose and belting .....2002..	X	57 400
	.....1997..	X	27 835
32610013	Plastics products consumed in the form of sheets, rods, tubes, film, and other shapes .....2002..	X	132 933
	.....1997..	X	52 274
32521105	Plastics resins consumed in the form of granules, pellets, powders, liquids, etc. ....2002..	X	131 969
	.....1997..	X	117 823
33100095	Complete flexible cord sets .....2002..	X	19 409
	.....1997..	X	31 550
001900B7	Resistors, capacitors, transformers, electron tubes, semiconductors, and other electronic components .....2002..	X	18 640
	.....1997..	X	7 949
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	245 986
	.....1997..	X	375 174
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	154 904
	.....1997..	X	82 999

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.